

PRE-ORIENTED YARN PACKAGE

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Abstract

A polytrimethylene terephthalate preoriented package, formed of wound layers and weighing 2 kilograms or more, of a poly (trimethylene terephthalate), in which the yarn package satisfies the following conditions (1), (2) and (3): (1) a difference in diameters between the edge portions and middle portion of the package is in a range from 0 to 5 mm; (2) a difference in dry thermal shrinking stress values between the yarn laid at the end portions and the yarn at the middle portion of the package is 0.01 cN/dtex or less; and (3) a yarn size evenness variation value U% is 1.5% or less, and a coefficient of variance of periodicity of yarn size variation is 0.4 or less, both as measured when the wound preoriented yarn is being unwound from the package. The preoriented yarn package according to the invention is formed of a wound preoriented yarn which has substantially no differential thermal shrinking stress values between the yarn wound (accumulated) at the edge portions in the package and the yarn wound at the middle portion in the package. The present yarn package enables production of a dyed woven or knitted fabric with soft hand, which is

substantially free from the occurrence of periodical uneven dyeing. 

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